Indian Institute of Science Education and Research (IISER) Bhopal

Applications are invited from Indian nationals for

Research Associate–I in the Qmet Technology Foundation sponsored project "Diamond quantum defects based sensing".

Project description:

The project involves development of tools and techniques that exploit atom-like defects in diamond as quantum sensors to achieve very high sensitivities and high spatial resolution.

Duration:

Twelve months.

Last date for applications:

December 1st, 2026

Essential Qualifications:

Research Associate-I: PhD in Physics/EE with good academic record.

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Additional Qualifications:

Candidates having experience with 2D Materials, Optics, Photonics, Nanofabrication, Quantum Information, Solid-state NMR, Scanning Probe Microscopy, Atomic Force Microscopy, Magneto-optical Characterization Techniques, Cryogenics, Lock-in Techniques, Python Programming, Electron Spin Resonance, Quantum Optimal Control and Atomic Magnetometry will be preferred. Candidates having expertise in designing, fabrication, testing of indigenous instruments in the field of lasers & optics, developing low noise analog & digital electronics, developing FPGA & Arduino based systems, mechanical & software development and magnet design will be preferred.

Salary:

Research Associate-I: Rs. 58k p.m.+ HRA

How to Apply:

Applications containing a cover letter, a detailed CV, name and address of 2 referees as well as a brief writeup on any research work experience should be sent by email ONLY to phani@iiserb.ac.in. Shortlisted candidates will be called for an online interview. For more details and context, please visit the webpage http://home.iiserb.ac.in/~phani/ of Dr. Phani Kumar Peddibhotla.